

STAFF REPORT

To: Coastside County Water District Board of Directors

From: Mary Rogren, General Manager

Agenda: April 9, 2024

Report Date: April 5, 2024

Agenda Title: Report on Emergency Change Order for the Magellan Avenue at Highway 1 & Medio Creek Pipeline Rehabilitation Project

Recommendation/Motion:

Information Only. Receive a full report from the General Manager that an emergency change order was executed with Golden Bay Construction in the amount of \$176,775 to replace a 215-foot section of existing cast iron pipe on Magellan Avenue as part of the Magellan Avenue at Highway 1 & Medio Creek Pipeline Rehabilitation Project.

Background:

Section F.2 of Resolution 2016-09, Policies and Procedures for Award of Contract, provides for "General Manager Waivers-Emergencies" that allows the General Manager to "waive any or all of the procedural requirements" for award of contracts in the case of an emergency. In this case, the emergency included "field conditions (as described below) that indicated an immediate threat to the public or employee safety or other significant impact to District facilities." This section also specifies that the General Manager must provide a full report of the action taken due to the emergency to the Board of Directors at the next Board meeting following the emergency condition.

In March, 2024 the contractor mobilized on the Magellan Avenue and Highway 1 project, but was unable to proceed in preparing the pit for the construction of the liner because the existing high groundwater and soil conditions would not allow a thrust block to be constructed that would be able to engage with the soil to resist the thrust force against the existing push-on valve.

Jonathan Sutter, the District's Engineer for this project, and the contractor arrived at two viable options (a temporary and a permanent option) that would enable the liner installation to occur at the next available liner subcontractor date in May and allow for construction to proceed. It was determined that the temporary option provides no value at the end of the project. Given the age and poor condition of the 215-foot section of the existing cast iron pipe, replacement of that section of pipe was planned in the next few years as part of a project in the Miramar area to eliminate dead-ends.

STAFF REPORT

Agenda: April 9, 2024

Subject: Notice of Emergency Change Order with Golden Bay Construction

Page Two

Staff met with the Facilities Committee on March 30, 2024 and discussed the options. The Facilities Committee concurred with staff's recommendation to proceed with the permanent option, and the General Manager issued the change order as an emergency given the urgency of the construction scheduling and the need to complete this work.

With the permanent pipeline replacement, a 215-foot section of fully restrained ductile iron pipe would replace the existing cast-iron pipe. The four existing services on Magellan closest to Highway 1 would be tied into this new pipe and a temporary cap would be installed near the liner pit. Given that the new pipe is fully restrained, the pipe would be able to withstand the forces against the temporary cap and remain in service during construction of the liner. The work on the 215-foot section of pipe will be completed in time to meet the liner construction date in May.

Jonathan Sutter reviewed the cost proposal for the change order and compared the unit costs to the bid results for the project and other recent projects to confirm that the pricing was competitive. The unit costs for comparable items included in the change order proposal were lower than the unit costs included in Golden Bay Construction, Inc.'s original bid.

Financial Impact: Addition of \$176,775 for the project.

Change Order No. 2

Date of Issuance: 29 March 2024 Effective Date: 29 March 2024

Project: Magellan Ave at Hwy 1 & Medio Creek Pipeline Rehab Project	Owner: Coastside County Water District	Owner's Contract No.:
Contractor: Golden Bay Construction, Inc.		Date of Contract: 8 January 2024
Contractor's Project Number: 4466-23		Engineer's Project No.: B80108.30

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

Change in contract price to include additional scope of work outlined in Option 1 of the attached request for quote PDF.

Total \$176,775.00

Attachments (list documents supporting change):

PCO #001 RFQ #1 Options

CHANGE IN CONTRACT PRICE:

CHANGE IN CONTRACT TIMES:

Original Contract Price:

\$ 308,805.00

Increase from previously approved Change Order No. 1:

\$ _____

Increase of this Change Order:

\$ 176,775.00

Contract Price incorporating this Change Order:

\$ 485,580.00

Original Contract Times: Working days Calendar days

Notice to Proceed Date: 8 January 2024

Contract Duration: 60 Days

Increase from previously approved Change Order No. 1:

Adjustment to Contract Duration: 29 Days

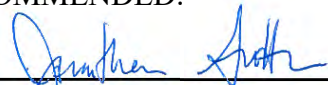
Increase of this Change Order:

Adjustment to Contract Duration: 29 Days

Contract Times with all approved Change Orders:

Adjusted Contract Duration: 118 Days

RECOMMENDED:

By: 
Jonathan Sutter, P.E.
EKI Environment & Water, Inc.

Date: 29 March 2024

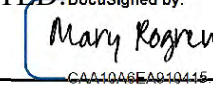
ACCEPTED

DocuSigned by:

1D658250F634405...
Brian Cortese
Golden Bay Construction, Inc.

Date: 3/30/2024

ACCEPTED

DocuSigned by:

CAA30A6EA030415...
Mary Rogren
Coastside County Water District

Date: 3/29/2024



**golden bay
construction, inc.**
general engineering contractors

PCO #001

3826 Depot Road / Hayward, CA 94545
(510) 783-2960 / (510) 783-2971 Fax
License #451401, CA DGS SBE#1103721
DIR #1000002870

To: Coastside County Water District
Attn: Jonathan Sutter
766 Main Street
Half Moon Bay, CA 94019
(650) 292-9099
jsutter@ekiconsult.com

Project: Magellan Ave at Hwy 1 & Medio Creek Pipeline Rehab Project
GBC Job #4466-23
RFQ #1 Access Pit #1 Options

Date: 3/27/2024

Bid Item	Description	Quantity		Unit Price	Extension
1	Option #1 (See attached for detail.)	1	LS	\$ 176,775.00	\$ 176,775.00
2	Option #2 (See attached for detail.)	1	LS	\$ 58,060.00	\$ 58,060.00
Total Cost:					Per Option

Notes: PCO is for the additional work associated with the unsuitable sub-grade at Access Pit #1. Please see attached sheets for costs per bid item in RFQ #1.

The water main liner work scheduled to start on 4/9/24 had to be canceled as the additional work above can not be completed before that date. The next available date for the liner subcontractor is 5/20/24 (still needs to be confirmed). A contract time extensions of 29 working days will be required with this PCO (amount of time from 4/9/24 - 5/20/24). Additional time will be required if the liner subcontractor starts work after 5/20/24.

Exclusions: Permits, fees, bonds, material testing, inspection, striping, nights and/or weekend work.

Please contact Brian Cortese at (650) 670-0014 or brian@gbayinc.com with any questions.

Approved: _____

Name: _____

Sign: _____

Date: _____

REQUEST FOR QUOTE

RFQ NO.: 01
DATE: 3/22/24

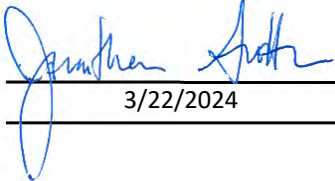
PROJECT: Magellan Avenue at Highway 1 and Medio Creek Pipeline Rehabilitation Project
OWNER: Coastside County Water District
CONTRACTOR: Golden Bay Construction, Inc.
SUBJECT: Magellan Avenue West of Highway 1 Design

EKI Environment & Water, Inc. (EKI) is providing this Request for Quote to Golden Bay Construction, Inc. on behalf of Coastside County Water District ("CCWD or District") for the Magellan Avenue at Highway 1 and Medio Creek Pipeline Rehabilitation Project ("Project").

Golden Bay Construction, Inc. is requested to provide a quote using the attached Bid Schedule (Attachment A for Option 1 and ~~Attachment B for Option 2~~) per the Contract Documents, the attached Drawing (Attachment C), and the District's Standard Drawings.

The Contract Documents, the District's Standard Drawings, and all requirements listed within govern this document unless specified herein.

PREPARED BY: Jonathan Sutter, P.E.
TITLE: Engineer/Construction Manager
FIRM: EKI Environment & Water, Inc.

SIGNATURE: 
DATE: 3/22/2024

ATTACHMENT A

Option 1 Bid Schedule

OPTION 1 BID SCHEDULE

PROJECT TITLE:

Magellan Avenue at Highway 1 and Medio Creek Pipeline
Rehabilitation Project

SALES AND USE TAXES

The Bidder agrees that all federal, State and local sales and use taxes are included in the price for the work set forth below.

BID PRICE

The Bidder agrees to accept as full payment for the construction of the Project, in accordance with the Contract Documents and the District's Standard Drawings, the amount computed in accordance with the following prices, which includes all costs for labor, materials, tools, equipment, services, taxes, insurance, overhead, profit, warranty performance and all other costs necessary to perform the work in accordance with the Contract Documents and the District's Standard Drawings. It is expressly agreed that unit prices are not dependent on the exact quantity furnished.

(Show prices in both words and figures. In case of a discrepancy, the amount in words has precedence.)

REQUEST FOR PROPOSAL
(PRICES)

Item	Description with Price Amount Written in Words	Price in Figures	Extended Total
1	Furnish and install 10-inch ductile iron pipe water main in paved and gravel areas, 215 linear feet at the unit price per foot of <hr/> Four Hundred Ninety-Seven Dollars <hr/>	\$ <u>497.00</u>	\$ <u>106,855.00</u>
2	Furnish and install 6-inch ductile iron pipe water main in paved areas, 6 linear feet at the unit price per foot of <hr/> Four Hundred Fifty Dollars <hr/>	\$ <u>450.00</u>	\$ <u>2,700.00</u>

Item	Description with Price Amount Written in Words	Price in Figures	Extended Total
3	Furnish and install 10-inch 45-degree bend fittings, 6 each at the price per fitting of One Thousand One Hundred Dollars	\$ <u>1,100.00</u>	\$ <u>6,600.00</u>
4	Furnish and install 10-inch gate valve, 2 each at the price per gate valve of Four Thousand Four Hundred Dollars	\$ <u>4,400.00</u>	\$ <u>8,800.00</u>
5	Furnish and install 10-inch tee, 1 each at the price per tee of Nine Hundred Dollars	\$ <u>900.00</u>	\$ <u>900.00</u>
6	Furnish and install 10-inch by 6-inch reducer, 1 each at the price per reducer of Eight Hundred Dollars	\$ <u>800.00</u>	\$ <u>800.00</u>
7	Furnish and install fire hydrant assembly, 1 each at the unit price per assembly of Fifteen Thousand Dollars	\$ <u>15,000.00</u>	\$ <u>15,000.00</u>

Item	Description with Price Amount Written in Words	Price in Figures	Extended Total
8	Furnish and install double water service reconnection, 2 each at the price per reconnection of Two Thousand Nine Hundred Dollars	\$ <u>2,900.00</u>	\$ <u>5,800.00</u>
9	Furnish and install single water service reconnection, 1 each at the price per reconnection of Two Thousand Three Hundred Dollars	\$ <u>2,300.00</u>	\$ <u>2,300.00</u>
10	Abandon existing valve, 1 each at the price per valve abandonment of Four Hundred Dollars	\$ <u>400.00</u>	\$ <u>400.00</u>
11	Furnish and install cap on active line, 1 each at the price per cap of One Thousand One Hundred Dollars	\$ <u>1,100.00</u>	\$ <u>1,100.00</u>
12	Furnish and install a 10-inch plug and cap, 2 each at the price per plug and cap of One Thousand Two Hundred Dollars	\$ <u>1,200.00</u>	\$ <u>2,400.00</u>

Item	Description with Price Amount Written in Words	Price in Figures	Extended Total
13	Furnish and install trench dam, 2 each at the price per trench dam of One Thousand Seven Hundred Dollars	\$ 1,700.00	\$ 3,400.00
14	Connection to existing 6-inch water main, 1 each at the price per connection of Seven Thousand Dollars	\$ 7,000.00	\$ 7,000.00
15	Final asphalt paving, 530 square feet at the price per square foot of Twenty-Four Dollars	\$ 24.00	\$ 12,720.00
Sum of Extended Totals (Bid Price)			\$ 176,775.00
One Hundred Seventy-Six Thousand Seven Hundred Seventy-Five Dollars			

ITEM DESCRIPTION

Compensation for the work shown and described in the Contract Documents will be at the prices shown in the Request for Proposal, and the Contractor shall furnish all labor, materials, tools, equipment, services, taxes, insurance, overhead, profit, permits, warranty performance, and all other items and facilities necessary to complete the work.

Furnish and Install Ductile Iron Pipe (Items 1 & 2)

Consists of constructing new water mains by open trench methods as specified in the Contract Documents and Drawings. Payment shall be deemed full compensation for all labor, materials, equipment and incidentals necessary to install water main, complete in place, including furnishing and installing pipe, v-bio polyethylene encasement, and utility warning tape; "potholing" of existing utilities; earthwork including trenching, backfill and soil compaction testing; trench shoring; dewatering and disposal of the water; leakage testing; disinfection and disposal of the disinfection water; temporary repaving of all trenches where asphalt concrete paving or concrete paving exists; trimming of trees and shrubbery; temporary replacement or repair of concrete curb, gutter and sidewalk; traffic control; cleanup; disposal/recycling of materials off-site, and all other pipeline construction-related work not included in and work not otherwise itemized but necessary for a complete and fully-functioning water main installation. Payment will be unit price, with measurement in linear feet measured horizontally along the centerline of the pipeline trench at ground surface elevation, in place.

Ductile Iron Fittings (Items 3, 5, 6, & 12)

Consists of installing each ductile iron fitting as specified in the Contract Documents and Drawings. Payment shall be deemed full compensation for all labor, materials, equipment and incidentals necessary to install each fitting complete in place, including furnishing and installing the pipe fitting, v-bio polyethylene encasement, thrust blocks, and restrained couplings; earthwork including trenching and backfill; trench shoring; and work not otherwise itemized but necessary for a complete and fully-functioning installation. Payment will be unit price, made per fitting installed, respective of the type and size.

Gate Valves (Item 4)

Consists of installing new gate valves as specified in the Contract Documents, Drawings, and the District's Standard Drawings. Payment for gate valves shall be deemed full compensation for all labor, materials, equipment, and incidentals necessary to install each gate valve complete in place, including furnishing and installing the valve, v-bio polyethylene encasement, thrust block and restrained couplings, valve box, and extension operator stem where required; earthwork including trenching and backfill; trench shoring; and all work

required to install each valve not otherwise itemized. Payment will be unit cost, made per gate valve installed.

Installation of New Fire Hydrant Assembly and Abandonment of Existing Fire Hydrant Assembly (Item 7)

Consists of the installation of new fire hydrant assemblies per the District's standards as specified in the Contract Documents, Drawings, the District's Standard Drawings (CC-12,13,&14). Payment shall be deemed full compensation for all labor, materials, equipment and incidentals necessary to install each fire hydrant assembly complete in place, including furnishing and installing the hydrant tee or 90 degree bend fitting, gate valve, piping, bury, break-off check valves, fittings, shutoff valve, thrust blocks, and other appurtenances from and including the mainline tee or 90 degree bend fitting to the fire hydrant; excavation and backfill; temporary repaving of trenches and other excavations where existing asphalt pavement or concrete exists; temporary replacement of damaged concrete curb, gutter and sidewalk; leakage testing and disinfection; cleanup; and other miscellaneous work and all necessary appurtenances not otherwise itemized as needed to provide a complete and fully-functioning hydrant assembly. Consists of the abandonment of existing fire hydrant assemblies per the District's standards as specified in the Contract Documents, Drawings, the District's Standard Drawings. Payment shall be deemed full compensation for all labor, materials, equipment and incidentals necessary to abandon each fire hydrant assembly complete in place, including abandonment of hydrant line and valve and removal of hydrant; excavation and backfill; temporary repaving of trenches and other excavations where existing asphalt pavement or concrete exists; temporary replacement of damaged concrete curb, gutter and sidewalk; cleanup; and other miscellaneous work and all necessary appurtenances not otherwise itemized as needed to complete and fully abandon existing hydrant assembly. Payment will be unit cost, made per fire hydrant assembly installed and existing fire hydrant assembly abandoned.

Furnish and Reconnect Water Service Lines (Items 8 & 9)

Consists of constructing customer service line and reconnection in conformance with the Contract Documents, Drawings, and the District's Standard Drawings (CC-06,07,08,&24). Payment shall be deemed full compensation for all labor, materials, equipment and incidentals necessary to install each water service line and reconnection complete in place, including furnishing and installing the new saddle, corporation stop, copper tubing,

fittings, and the angle meter stop; removing the old meter stop, closing the existing corporation stop; excavation, concrete chipping, and backfill; off haul, disposal, saw cutting, cleaning, temporary repaving of trenches and other excavations where existing asphalt pavement or concrete exists; temporary replacement of damaged concrete curb, gutter and sidewalk; leakage testing and disinfection, and cleanup; and all necessary appurtenances not otherwise itemized. This bid item shall also include all service Type K copper tubing or HDPE piping (diameter to match existing unless specified in the Contract Documents), couplings, and appurtenances required to install the fully functional new water service line and reconnect the customer water service connection. Payment will be unit price, per water service respective of type.

Furnish and Install Trench Dam (Item 13)

This includes trench dam as specified in the Contract Documents, Drawings, and the District's Standard Drawings (CC-23). Payment shall be deemed full compensation for furnishing all labor, materials, equipment and incidentals necessary to provide the trench dam complete, in place, as shown on the Contract Drawings including cleanup; and all appurtenances and work not otherwise itemized but necessary for a complete and fully functioning installation. Payment will be unit cost, made per trench dam installed.

Connections to Existing 6-Inch Water Main (Item 14)

This includes a water service shutdown and tie-in as specified in the Contract Documents. Payment shall be deemed full compensation for furnishing all labor, materials, equipment and incidentals necessary to provide the tie-in connection complete, in place, as shown on the Contract Drawings including profile adjustments necessary to avoid utility conflicts; tying into the existing water main; buried pipe, couplings, thrust block, connections, mechanical joints, joint restraint devices, connection accessories, and v-bio polyethylene encasement; water service shutdown; locating existing utilities including potholing; dewatering as necessary; furnishing backfill material and backfilling; disposal of excavation material; testing; disinfection; temporary surface restoration to District, City of Half Moon Bay, and County of San Mateo standards including pavement removal and replacement in waterline trench, asphalt concrete, pavement striping, and miscellaneous concrete work including sidewalk, curb and gutter, and other existing surface landscaping material; cleanup; and all appurtenances and work

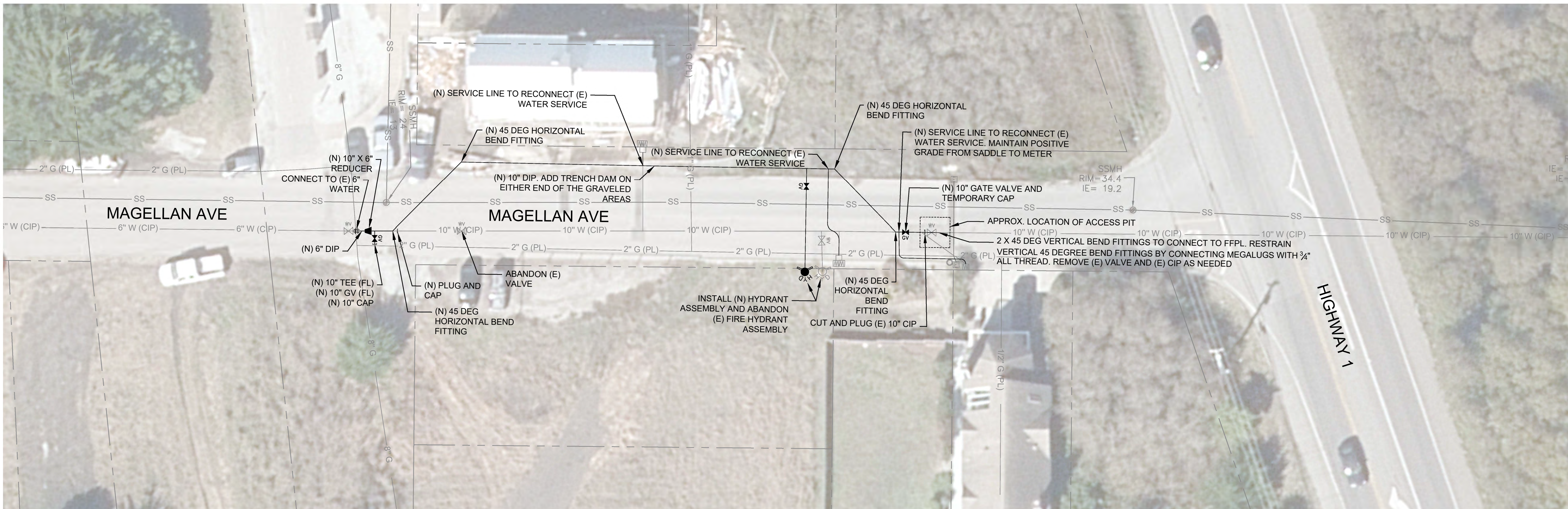
not otherwise itemized but necessary for a complete and fully functioning installation. Payment will be unit cost, made per each connection installed.

Final Asphalt Concrete Paving (Item 15)

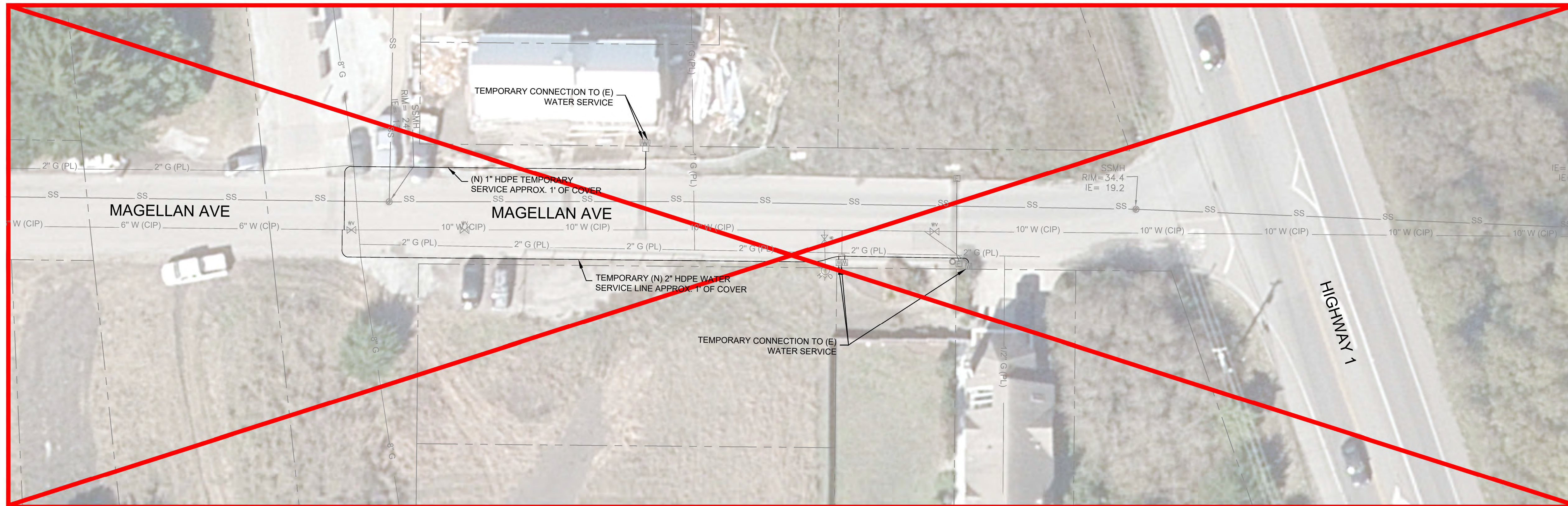
Consists of repaving the trenches with permanent hot mix asphalt in paved areas as specified in the Contract Documents. Payment shall be deemed full compensation for all labor, materials, equipment, and incidentals necessary to install final asphalt concrete paving complete in place, including removing temporary asphalt, furnishing, and installing aggregate base and hot mix asphalt concrete, replacing any damaged striping per County of San Mateo standards, and all work not otherwise itemized required to restore the street surface to its preconstruction condition. Payment will be made at the unit price per square foot of pavement.

ATTACHMENT C

Design Drawing



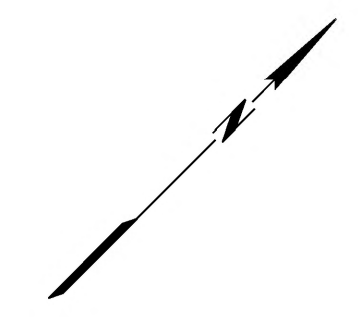
OPTION 1 - NEW PIPELINE INSTALLATION



OPTION 2 - TEMPORARY SERVICE CONNECTION



CONCEPTUAL MAP
NOT FOR CONSTRUCTION



eki environment & water
 2881 UNIVERSITY BLVD, SUITE 500
 DALY CITY, CA 94015
 (650) 252-9100 • FAX (650) 952-9012

MAGELLAN AT HIGHWAY 1 AND MEDIO CREEK PIPELINE REHABILITATION PROJECT
 COASTSIDE COUNTY WATER DISTRICT

REQUEST FOR QUOTE

DATE	SCALE	DRAWN	DESIGNED	APPROVED	JOB NO.	REV	DESCRIPTION	APPRO	DATE
MARCH 2024	AS SHOWN				B80108.30				



VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

1" = 1'

SHEET NUMBER	1
OF	1